

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CH2005/000120

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B21F33/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B21F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 014 371 A (WALKER ET AL) 29 March 1977 (1977-03-29)	1,2,7,8
Y	column 2, line 31 - line 61; figure 2	3-6,9-16
X	US 2 788 119 A (STURM HELMUT) 9 April 1957 (1957-04-09)	1,2,7,8
	column 2, line 54 - line 60; figures 1,2	
A	US 5 788 051 A (KNOEPFEL ET AL) 4 August 1998 (1998-08-04) cited in the application	1,7,15
	column 3, line 64 - column 4, line 2; figures	
A	US 3 386 561 A (SPUHL WALTER) 4 June 1968 (1968-06-04)	1-12,15, 16
	column 4, line 38 - column 5, line 75; figures 8-11	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

15 June 2005

Date of mailing of the international search report

06/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Barrow, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/075232 A1 (ARONSON TERRY) 24 April 2003 (2003-04-24) paragraph '0011! paragraph '0046! - paragraph '0048!; figures 1,8 -----	5,6,11, 12
Y	US 6 159 319 A (MOSSBECK ET AL) 12 December 2000 (2000-12-12) column 6, line 37 - line 41 column 8, line 40 - column 9, line 19; figures 5-14 -----	13,14
Y	US 3 193 136 A (STUMPF WALTER ET AL) 6 July 1965 (1965-07-06) column 13, line 39 - line 62; figures 2,26 -----	3,4,9, 10,15,16

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Information on patent family members

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